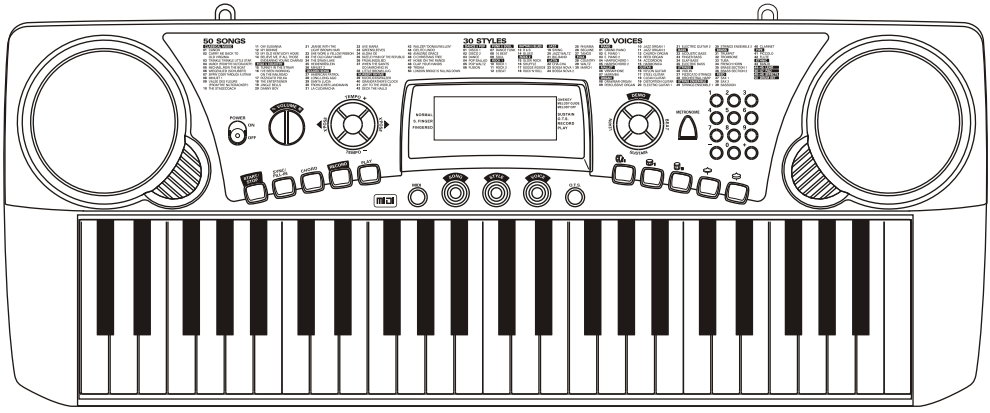
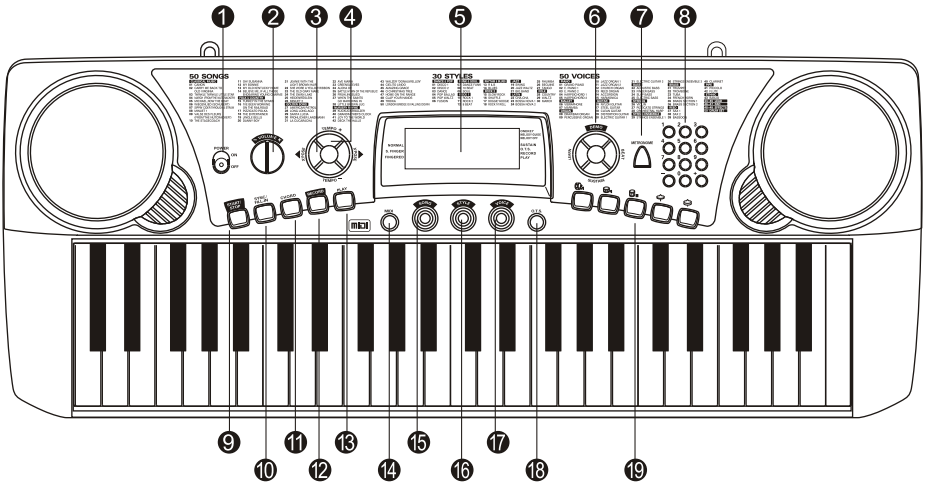
Instruction Manual

ELECTRONIC KEYBOARD

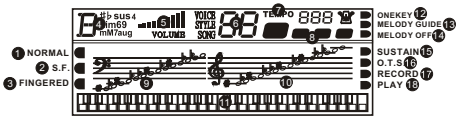


Introduction

Thank you for purchasing this electronic keyboard. In order to obtain maximum performance and enjoyment from the keyboard, please follow the steps outlined in this manual while actually trying out its features. We are sure you will enjoy it and discover the limited possibility of your new keyboard.



1. POWER
2. VOLUME
3. X'POSER +/-
4. TEMPO +/-
5. LCD
6. DEMO/LEARN/SUSTAIN/BEAT
7. METRONOME
8. NUMERIC KEYPAD
9. START/STOP
10. SYNC/FILL-IN
11. CHORD
12. RECORD
13. PLAY
14. MIDI
15. SONG
16. STYLE
17. VOICE
18. O.T.S
19. PERCUSSION



1. NORMAL
2. S. FINGER
3. FINGERED
4. CHORD
5. VOLUME
6. VOICE/STYLE/SONG NUMBER
7. TEMPO
8. METRONOME/BEAT
9. LOW NOTES SCORE
10. HIGH NOTES SCORE
11. KEYBOARD
12. ONE KEY
13. MELODY GUIDE
14. MELODY OFF
15. SUSTAIN
16. O.T.S.
17. RECORD
18. PLAY

Preparation

Take Care of Your Unit

1. Avoid placing the unit in areas that are subject to excessive humidity or heat.
2. Avoid locations in which the unit is likely to be exposed to excessive dust or moisture.
3. Do not place any heavy objects on the unit, and subject it to strong physical shock.
4. Never use chemicals such as benzine or thinner to clean the unit.

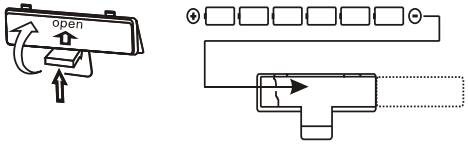
Power Supply

You can power the unit either by batteries or an power adaptor (both are not Included). Follow the instruction described below.

Using Batteries

6 pieces of C size (SUM-2 or R-14) or equivalent alkaline batteries must first be installed into the battery compartment.

1. Open the battery compartment cover located on bottom cabinet of the unit.
2. Insert the batteries, being careful to follow the polarity markings on the cabinet.
3. Replace the compartment cover, making sure that it locks firmly in place.

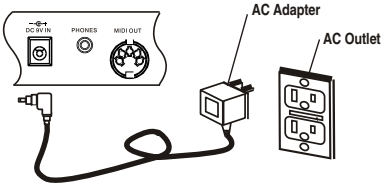


Caution:

- Do not mix old and new batteries.
- Always use the same types of batteries.
- Always make sure to remove the batteries from the unit when not using for an extended period of time.

Using Power Adapter

An AC adaptor is required when use household current. The adaptor shall be 9-12V DC output, 500MA, center positive type. Be sure to turn off the unit before you connect the adapter into AC outlet and the cord into the unit. This will automatically cut off the battery power supply.

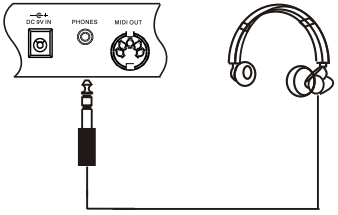


Importance

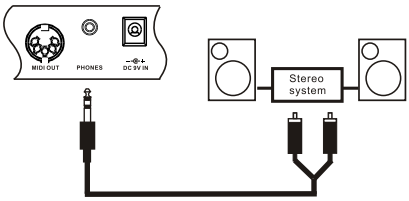
1. The adaptor may become warm when it is being used. This is normal and does not indicate any problem.
2. Be sure to unplug the adaptor from the power source when you are not using the unit.
3. Never use a power supply that does not match that specified for the instruments.

Use Phone Or Connect an Amplifier

A headphone can be plugged into HEADPHONE jack located on the rear of the unit.
The internal speaker system will be automatically shut off when a headphone is plugged into the jack.



Plug an audio cord into PHONE jack. Then plug the other end of the cord into LINE IN or AUX IN of the amplifier.



Play the Keyboard

1. To turn on the keyboard, set POWER to ON. The display lights.

   Note: To remind you to save power during operation, the keyboard automatically sounds a voice about every 5 minutes if you do not press a key.

2. Adjust the volume to desire level. Repeatedly press volume up or volume down to increase or decrease the volume. The keyboard's volume ranges from 0 (no sound) to 10 (maximum), and the current volume level appears on the display.

Playing the Demo Song

You can listen to any of the 50 songs listed at the right of the panel.

1. Press **SONG**. The display appears SONG and the number of the current song.

   Note: The keyboard always selects the tune "Canon"(No. 01) each time you turn it on.

2. Choose a song from the SONGS list and enter its two-digit number on the keypad.

   Or, you can press **-** or **+** to move to the Next higher or lower numbered song.

3. Press **START/STOP** to start playing the song.

- a "score" to show you the notes that are playing (center of the display)
- a "keyboard" to show you the fingering and which keys are pressed (bottom of the display)
- The black dots next to the song number show the beat count in the measure.
- The chord name (top left of the display.

4. To change the tempo, repeatedly press **TEMPO UP** or **TEMPO DOWN**. The current tempo setting appears.

5. To select a different song, repeat step 2. To stop, press **START/STOP**.

Using DEMO

To play demo song one by one (in order from the selected starting point), press DEMO. To stop the demo, press DEMO again.

Selecting/Playing a Preset Voice

Your keyboard can sound like 50 different musical instruments. The name and two-digit number for each preset voice is listed on voices list on the keyboard's top panel.

Note: The keyboards has 8-note (maximum) polyphonic sound. This means that you can play up to 8 different notes at the same time with most of the keyboard's preset voices.

Selecting/Playing a Preset Voice

1. Press **VOICE**. **VOICE** and the current voice's number appears.

   Note: Each time you turn the keyboard on, it automatically selects the voice Grand PIANO (No. 01).

2. To play a different voice, choose a preset voice from the VOICES list and enter its two-digit number on the number button. As you press the buttons, the selected digits appear. For example, to select VIBRAPHONE (No. 06), press "0" and "6" , the style "06" appears.

   Or, you can use + or - to move to the next higher or lower numbered voice.

3. Play the keyboard to hear the selected voice.

4. To select a different voice, repeat Steps 1 and 2.

Selecting/Playing a Auto-Style.

Your keyboard has 30 preset auto-styles that provide a steady beat for your music. The name and two-digit number of each preset auto-style is listed on the styles list on the keyboard's top panel.

1. Press **STYLE. STYLE** and the current style's number appear.

   Note: Each time you turn on the keyboard, it automatically selects the style DISCO 1(No. 01).

2. To select a different style, choose an auto-style from the STYLES list and enter its two-digit number on the number button. Or, repeatedly press + or - to move to the next higher or lower numbered style. For example, press 03 to select DANCE (No. 03), press "0" and "3" , the style 03 appears.

3. Press **START/STOP** to start the selected Auto-Style.

4. To change the tempo, repeatedly press **TEMPO +** or **TEMPO -**. The current tempo setting appears.

   Notes:

5. To select a different style, repeat steps 1 and 2.

6. Tostop the auto-style, press **START /STOP** again.

   - You can adjust the tempo to play an auto-style from 40 to 240 beats per minute.

   - To reset the tempo to its default (original) speed, press **TEMPO +** and **TEMPO -** at the same time.

Using SYNC

This feature lets you synchronize the start of an auto-style with the beginning of your music.

After you select and enter an auto-style, press **SYNC/FILL-IN.** The black dots below the tempo and the metronome flash show the keyboard is in a standby mode.

Begin playing the keyboard. The keyboard automatically begins to play the style when you press any key.

Using FILL-IN

This feature lets insert a short (1- to 2-measure) variation in the beat pattern of a selected auto-style.

Simply press **SYNC/FILL-IN** while the auto-style is playing. The keyboard inserts a variation, then the original style automatically resumes at the end of the current measure. Or to insert a longer variation, hold down **SYNC/FILL-IN**. The keyboard plays the variation until you release **SYNC/FILL-IN**.

Using Auto Accompaniment

The 19 keys on the left side of the keyboard with note labels above them are called accompaniment keys. The accompaniment keys you press determine the type of chord that plays.

You can set the keyboard to play with no accompaniment or two different types of auto accompaniment using the accompaniment keys.

- Normal - normal mode. Chords are turned off in this mode (but you can select voice and style).
- S.Finger - single fingering mode. This mode lets you play chords on the accompaniment keys using standard chord formations (see "Single Fingering").
- Fingered - standard fingering mode. This mode lets you play chords on the accompaniment keys using chord formations of from three or more notes. The chord name appears on the display. The number of keys you press determines the type of chord that plays.

Note: Your keyboard defaults to the normal mode. Follow the steps under "Single Fingering" or "Stand Fingering" to set it to an accompaniment mode.

Single Fingering

1. Repeatedly press CHORD until a black dot appears next to S.FINGER on the left side of the display.
2. Press **STYLE**.
3. Enter a two-digit auto-style number.
4. To start the auto-style before the auto accompaniment, press START/STOP. Or, to synchronize the start of the selected auto-rhythm with your accompaniment, press **SYNC/FILL IN**.
5. Begin the accompaniment at the desired interval by pressing the desired accompaniment key(s).
6. To play a melody along with the accompaniment, press any key(s) to the right.
7. Adjust **TEMPO** and **VOLUME** to the desired level.
8. To change chords without interrupting the style, simply press the auto accompaniment key(s) required to form the new chord. The name of the chord appears. To stop auto accompaniment but not the auto-style, repeatedly press **CHORD** until the black dot appears next to **NORMAL** on the display. Or, to stop auto accompaniment and the auto-style, press **START/STOP**.

Standard Fingering

The standard fingering method uses standard formations of three or more notes, and lets the experienced musician play a wider variety of accompaniment chords.

Follow these steps to start standard fingering auto accompaniment.

1. Repeatedly press **CHORD** until a black dot appears next to **FINGERED** on the left side of the display.
2. Follow the step 2-8 as Single Fingering.

Learning To Play

Your keyboard's learning feature let beginning keyboard players easily learn and play a prerecorded tune. You can select any of the following modes:

- ONE KEY - in this mode, press **START/STOP** and any key to play accompaniment and a melody note. The note appears.

- MELODY GUIDE - in this mode, the melody does not play until you play a correct note. The next note of the song appears.

- MELODY OFF -in this mode, you can play melody with accompaniment.

Follow these steps to set the learning mode.

1. Press SONG, then repeatedly press LEARNING until blackdots appear next to ONE KEY on the right side of the display.
.
2. Select a song from the SONGS list and enter its two-digit number.

3. Press **START/STOP**. The keyboard plays the first note of the tune you selected and the note appears. Press the corresponding key on the keyboard to continue learning. The next note you need to press appears. The song will continue to play even if you press the wrong key.

4. To stop learning, press **START/STOP** again or press **LEARNING**. If you pressed LEARNING, a black dot appears next to MELODY GUIDE and a note appears. Press the correct key to continue learning. The song doesn't play until you press the correct key.

If you want to play the tune with accompaniment in the learning mode, repeatedly press **LEARNING** until a black dot appears next to **MELODY OFF**. If you want to quit the learning mode. Repeatedly press **LEARNING** until the black dot appears next to NORMAL.

Using the Metronome

To turn on the keyboard's metronome, press voice or style, then press **METRO**. The metronome's bar swings along with the tempo you selected, and the corresponding beat appears. Press **METRO** again to turn the metronome off.

Using Beat

When the metronome is on, repeatedly press **BEAT** until you hear the desired beat to adjust it . 9 beats (00.02-09) are available and can be selected cyclically. The beat number you selected appears.

Special Features

Recording

You can record a sequence of notes up to 37 notes in length.

1. Press **RECORD** to start recording. **RECORD** appears.

2. Play the notes you want to record.

3. Press **PLAY** to play the notes you recorded. **PLAY** appears.

4. Toturn off recording, press **RECORD again , RECORD disappears.**

Note: If the keyboard loses power, recording is turned off and any recording you made is erased.

Using One-Touch Setting

Your keyboard's one-touch setting feature lets you automatically play a preset voice to match a selected auto-style you changed.

Follow these steps to activate one-touch setting.

1. Press **STYLE**.

2. Enter a two-digit auto-style number.

3. Press **O.T.S.**, O.T.S. appears

4. Press **VOICE**. The preset voice that matches the selected auto-style appears.

To quit one-touch setting, press **O.T.S.**, O.T.S. Disappears.

Using Sustain

For added flexibility and control as you make music, you can set the keyboard, so it sustain sound.

To sustain notes you play, press **SUSTAIN**.**SUSTAIN** appears and the keyboard sustains the played note until you release **SUSTAIN**. Press **SUSTAIN** again to turn off sustain.

Percussion Pads

Using a Percussion Pad

Your keyboard's percussion pads put the sound of 5 different percussion instruments (bass drum, snare drum, hi-hat open, high tom-tom, and hi-hat close) at your finger tips.

To play a percussion pad sound, simply press the desired pad at any time. The keyboard plays the selected percussion sound once each time you press the pad.

Assigning a Percussion Pad Sound

You can assign any of the available percussion sounds onto any of the percussion pads. This lets you quickly select and play any percussion sound that the keyboard can make.

Note: The keyboard clears any sound you assign to a percussion pad each time you turn it off.

Follow these steps to record and play a percussion pad sound.

1. Press **VOICE** then enter **5 0** on the keyboard.
2. Select the voice you want by pressing any of the 16 white keys in the middle of the keyboard until you hear the sound you want.
3. When you hear the voice you want to record, hold down the percussion pad you want to assign the sound to and press the white key.
4. Play the percussion pad to hear assigned voice.

Transposing

The keyboard automatically selects the key of middle C each time you turn it on. For added flexibility, you can transpose (change) The keyboard's key using as many as 12 steps (+6--6). You can adjust the transposition freely by pressing the **X'POSER** buttons.

To transpose the keyboard's key, press **X'POSER +** to raise a chromatic scale. Or **X'POSER -** to decrease a chromatic.

To reset the keyboard's key to its default, press **X'POSER +** and **X'POSER -** at the same time.

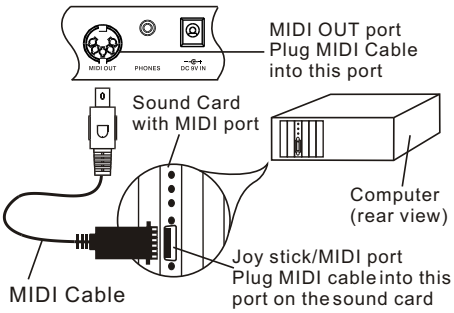
Using MIDI

MIDI (Musical Instrument Digital Interface) is a world-standard digital communications interface/language that allows multiple electronic instruments, computers, and other relates device to communicate with each other within a connected.

The MIDI IN port receives MIDI data from an external MIDI device. The MIDI OUT port transmits MIDI data to an external MIDI device. The instruments communicate with each other by sending 'messages' or MIDI data. The sending instrument usually assigns the data to one of the sixteen MIDI channels, then transmits it over the MIDI cable. The cable itself, however, is not divided up into sixteen channels, just as with a television set that receives programs on different channels, it is up to the receiving instrument to 'tune into' the proper MIDI channel. If the sending and receiving channels on the respective instruments do not match, the receiving instrument may not understand or respond to the one sending.

Connecting with PC (Personal Computer)

1. Switch off both keyboard and PC.
2. Connect the keyboard and PC with a MIDI adaptor (one end with 5-pin plug and the other end with 15-pin plug).
3. Switch on both keyboard and PC. Make sure to minimize the volume setting by pressing the **VOLUME -**.
4. To select your desired channel (01-16) which shown on the LCD display, press the **MIDI** button on keyboard.
5. You can play the keyboard by pressing the black & white keys. Then, you can hear the music you play from the speakers of your PC.



Note:

1. Your PC should be equipped with a sound card, a pair of speakers & installed MIDI software.

2. No information of auto-style, pre-recorded songs, sustain and transpose could be sent as MIDI data.

Connecting with (External device)

For two MIDI instruments to communicate, they must be connected by MIDI cables. In a basic example, the MIDI OUT terminals of this keyboard could be connected to the MIDI OUT and terminals of a sequencer, allowing you to record and play back performance data from this keyboard.

Specification

Number of keys.....49

Polyphonic Sound.....8-note(Max.)

Preset Voices.....50

Auto-Styles.....30

Prerecorded Songs.....50

Effect.....Transpose

Style Controls..... TEMPO, FILL-IN, START/STOP

Power Sources..... DC 9V Adaptor

6 x 'C size' batteries

Dimensions (HxWxD).....795x315x120(mm)

Weight (Without Batteries)..... 3.6kg

Specifications and designs are subject to change without notice.

Chord Charts

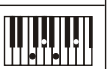
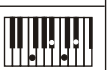
1.SINGLE FINGER

	C	C#	D	D#	E	F
MAJOR (C)						
MINOR (Cm)						
SEVENTH (C7)						
MINOR SEVENTH (Cm7)						

	F#	G	G#	A	A#	B
MAJOR (C)						
MINOR (Cm)						
SEVENTH (C7)						
MINOR SEVENTH (Cm7)						

2. Fingered

A.

	C	C#	D	D#	E	F
MAJOR (C)						
MINOR (Cm)						
DIMINISHED (Cdim)						
AUGMENTED (Caug)						
SEVENTH SUS-PENDED FOURTH (Csus4)						
SIXTH (C6)						
MINOR SIXTH (Cm 6)						
SEVENTH (C7)						
MINOR SEVENTH (Cm7)						
MAJOR SEVENTH (CM7)						
MINOR SEVENTH FLATTED FIFTH (Cm7♭5)						
SEVENTH SUS-PENDED FOURTH (C7sus4)						
SEVENTH FLATTED FIFTH (C7♭5)						
MAJOR ADD NINTH (CM(9))						
MINOR ADD NINTH (Cm(9))						

2. Fingered

B.

	F#	G	G#	A	A#	B
MAJOR (C)						
MINOR (Cm)						
DIMINISHED (Cdim)						
AUGMENTED (Caug)						
SEVENTH SUS-PENDED FOURTH (Csus4)						
SIXTH (C6)						
MINOR SIXTH (Cm6)						
SEVENTH (C7)						
MINOR SEVENTH (Cm7)						
MAJOR SEVENTH (CM7)						
MINOR SEVENTH FLATTED FIFTH (Cm7b5)						
SEVENTH SUS-PENDED FOURTH (C7sus4)						
SEVENTH FLATTED FIFTH (C7b5)						
MAJOR ADD NINTH (CM(9))						
MINOR ADD NINTH (Cm(9))						